

UNITED STATES
DEPARTMENT OF THE INTERIOR
Stewart L. Udall, Secretary

BUREAU OF RECLAMATION
Floyd E. Dominy, Commissioner

REGION 3
A. B. West, Regional Director

COMPILATION OF RECORDS IN
ACCORDANCE WITH ARTICLE V OF THE
DECREE OF THE SUPREME COURT OF
THE UNITED STATES IN
ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

CALENDAR YEAR 1966

Lower Colorado River Control Office
Boulder City, Nevada

February 15, 1967

RECORDS OF RELEASES OF WATER THROUGH REGULATORY
STRUCTURES IN ACCORDANCE WITH ARTICLE V(A) OF THE
DECREE OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

- - -
CALENDAR YEAR 1966

February 15, 1967

February 15, 1967

The enclosed tabulations for Calendar Year 1966 show final records of releases of water through regulatory structures controlled by the United States. At Hoover, Davis, Parker, and Imperial Dams the records are furnished by the Geological Survey based on measurements at or below the structures.

The record of riverflow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Diversions for Colorado River Indian Reservation, near Parker, Arizona." The diversions are made at Headgate Rock Dam.

The record of riverflow through Palo Verde Diversion Dam was computed using the record of flow at the gaging station "Colorado River below Palo Verde Diversion Dam, Arizona-California," and deducting from it the record of flow from the Palo Verde Levee Drain and the Colorado River Indian Reservation Lower Main Drain which enter the river between the dam and gaging station.

The record of flow past Laguna Dam was computed by adjusting the record of flow through Imperial Dam by storage changes in the reservoir above Laguna Dam.

**RELEASE OF WATER FROM IRREGULATED STRUCTURES
CONTROLLED BY THE UNITED STATES**

CALENDAR YEAR 1966

Structure												Final Records (Acres-Feet)		
	January	February	March	April-1	May	June	July	August	September	October	November	December		
Hoover Dam	252,500	439,900	758,600	845,700	887,100	783,600	888,600	839,000	671,900	466,900	473,100	447,900	7,763,000	
Davis Dam	209,900	524,800	780,900	914,500	878,200	951,700	1,027,000	965,400	723,400	478,000	359,100	355,800	8,169,000	
Parker Dam	176,600	412,900	604,100	729,300	699,000	790,400	900,700	852,300	584,800	357,700	254,500	320,200	6,682,000	
Headgate Rock Dam 1/	170,800	366,100	556,700	683,000	654,000	741,300	842,300	793,900	533,500	327,400	231,100	298,600	6,219,000	
Palo Verde Diversion Dam 2/	165,500	326,800	473,200	574,100	536,400	605,900	708,300	674,700	456,300	317,800	211,500	264,300	5,315,000	
Imperial Dam	23,000	22,840	28,670	27,260	24,610	22,320	26,980	30,180	29,570	18,150	15,100	10,940	279,600	
Laguna Dam 3/	23,000	22,840	28,670	27,530	24,810	23,470	25,380	30,180	29,570	18,150	16,700	10,940	281,200	

1/ Colorado River below Parker Dam less diversions at Headgate Rock Dam.

2/ Colorado River below Palo Verde Diversion Dam less returns by the Palo Verde Levee Drain and the Colorado River Indian Reservation Lower Main Drain below Palo Verde Diversion Dam.

3/ Colorado River below Imperial Dam adjusted by storage change in the reservoir above Laguna Dam.

February 15, 1967

The enclosed tabulations for Calendar Year 1966, show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream and consumptive use of such water by water user agencies which have contracts with the United States.

The records were furnished by U.S. Geological Survey, International Boundary and Water Commission, Bureau of Indian Affairs, Bureau of Reclamation, National Park Service, Bureau of Sport Fisheries and Wildlife, and water user agencies. Diversions to All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user based on deliveries to each user at its turnout from the canal and a prorated amount of the conveyance loss from the canal. The loss proration was based on the quantity delivered to each user and the length of the canal through which it was carried.

The tables also show estimates of water use by water users other than those which have contracts with the United States. Records of quantities of water pumped by permittees under the Lower Colorado River Land Use Program and by others are incomplete or not available. Consequently, estimates of pumpage from the mainstream, from both the river and the underground, are shown for each state. Pumping from the underground was considered from only those wells located in the flood plain of the Colorado River between the toes of the slopes on either side of the valley. Supplemental sheets are enclosed which show the estimates of

water pumped by each diverter between Davis Dam and the International Boundary. The estimates of water use are based on an inventory made by the U.S. Geological Survey in November and December 1966, of crop acres irrigated in 1966 and an assumed annual diversion of six acre-feet per irrigated acre.

RECORDS OF DIVERSIONS, RETURN FLOWS, AND CONSUMPTIVE USE
IN ACCORDANCE WITH ARTICLE V (B) OF THE DECREE OF THE SUPREME
COURT OF THE UNITED STATES IN ARIZONA v. CALIFORNIA

DATED MARCH 9, 1964

CALENDAR YEAR 1966

February 15, 1967

**DIVERSIONS FROM RIVERBED, AVAILABLE WATER PLAN,
AND CONSUMPTIVE USE OF SUCH WATER**

CALENDAR YEAR 1966

STATE OF ARIZONA

7(b)

Sheet 2 of 3
Final Report
(Interim)

Water User	Month	Available Water										November	December	Totals
		January	February	March	April	May	June	July	August	September	October			
Yuma Irrigation District (Diversion at Imperial Dam) (Pumped from wells)	Diversion	593	1,899	3,181	5,273	5,634	5,344	4,268	3,745	2,976	3,222	1,352	1,942	39,376
	Diversion	0	3	250	305	191	261	268	279	274	274	7	168	2,324
	Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	44
Tucson Metro Irrigation and Drainage District (Diversion at Imperial Dam)	Diversion	8,365	8,973	11,399	23,106	30,817	29,600	30,574	32,588	25,594	16,932	11,031	12,732	244,618
	Diversion	-	-	-	-	-	-	-	-	-	-	-	-	1
Unit "B" Irrigation and Drainage District (Diversion at Imperial Dam)	Diversion	2,016	1,965	2,603	3,275	4,324	4,549	4,839	5,234	4,674	3,885	1,889	1,873	6,10226
	Diversion	-	-	-	-	-	-	-	-	-	-	-	-	1
	Return ^b	-	-	-	-	-	-	-	-	-	-	-	-	-
Returns from South Gila Valley	Diversion	7,004	3,744	5,386	5,189	2,023	5,998	8,545	8,968	3,131	6,795	5,215	4,259	66,857
	Diversion	410	419	571	786	981	1,114	1,108	1,161	951	743	493	493	9,280
	Return ^b	15	25	32	33	8	10	22	17	22	22	2	2	183
	Consumptive Use	395	404	559	773	973	1,104	1,086	1,144	933	721	491	491	9,997
City of Tucson	Diversion	8,427	20,738	26,255	31,265	31,310	31,228	31,005	31,925	26,022	15,711	13,897	13,897	310,179
	Diversion	2,604	1,433	1,582	1,144	1,241	1,457	1,503	1,350	1,374	1,374	1,315	1,315	17,350
	Return ^b	9,956	9,669	11,701	11,992	11,750	10,921	11,354	11,920	12,809	11,931	11,339	11,339	136,921
	Consumptive Use	75	12,502	18,136	20,697	24,131	22,494	27,114	22,139	21,746	21,647	5,154	5,154	3,873
Imperial Valley Water Users Association (Diversion at Imperial Dam) (Pumped from Wells)	Diversion	-	-	-	-	-	-	-	-	-	-	-	-	-
	Diversion	-	-	-	-	-	-	-	-	-	-	-	-	8
	Return ^b	-	-	-	-	-	-	-	-	-	-	-	-	1
Georgi Julian Reservation (Diversion at Imperial Dam) (Pumped from wells)	Diversion	308	319	271	346	460	476	365	234	564	95	0	28	3,486
	Diversion	59	22	15	25	21	22	22	10	25	5	0	0	3
	Return ^b	-	-	-	-	-	-	-	-	-	-	-	-	8
	Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Users pumping from Colorado River and wells from flood plain Davis Dam to International Boundary 2/	Diversion	1,565	4,929	7,736	6,981	8,732	9,090	10,459	9,656	8,762	5,054	4,188	3,700	82,122
	Diversion	-	-	-	-	-	-	-	-	-	-	-	-	-
	Return ^b	-	-	-	-	-	-	-	-	-	-	-	-	-
	Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona Totals	Diversion	37,536	88,874	149,493	183,262	205,543	200,956	217,366	211,926	185,066	122,321	83,231	82,288	1,766,873
	Diversion	48,272	42,452	60,010	58,290	54,731	60,937	66,313	62,032	66,727	56,726	50,681	50,681	693,818
	Return ^b	46,423	46,423	89,483	128,422	150,612	140,059	150,933	144,668	123,054	55,604	21,505	21,505	31,607
	Consumptive Use	-10,736	-	-	-	-	-	-	-	-	-	-	-	1,073,055

February 15, 1967

**DIVERSIONS FROM MAINSTREAM, AVAILABLE RIVERINE FLOW,
AND CONSUMPTIVE USE OF SUCH WATER**

CALENDAR YEAR 1966

STATE OF ARIZONA

V(B)

Sheet 3 of 3
Final Records
(Arroyo-Point)

Water User	January	February	March	April	May	June	July	August	September	October	November	December	Total
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NOTE: The term "Consumptive Use" in this tabulation means measured diversion less measured return to the river.

1/ No surface returns.

2/ No record of diversions from river and returns to river. Recorders installed early in 1967.

3/ No diversion after June 19, 1966.

4/ Pumped from underground and was assigned to districts as returns include quantities of drainage from Yuma Mesa as well as from South Gila Valley.

5/ Includes deliveries to the following water users who have contracts with the United States:

Contractor	Point of Delivery	Annual	Total
City of Yuma	B 3.7 Lateral	42	
Desert Lawn Memorial Park Association	B 3.7 Lateral	125	
Southern Pacific Company	B 3.7 Lateral	11	
Ritz Distributing Company	Arterbay of Yuma Mesa Pumping Plant	41	
Yuma Mesa Fruit Growers' Association	B 3.7 Lateral	2	
County of Yuma Arizona	B 3.7 W Lateral	10	
Marine Corps Air Station, Department of Navy	B 3.8 Lateral	11	
Total	B Canal and B-5.5 W Lateral	1,596	1,596

6/ Includes deliveries to the following water users who have contracts with the United States:

University of Arizona	B Main Canal	654	
Alec Camille, Jr.	B-8 Lateral	71	
Total		725	725

7/ Includes deliveries to the following water user who has a contract with the United States:

Yuma Union High School District	Yuma Main Canal	200	
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8/ Returns include unknown quantities of drainage returns from Yuma Mesa Irrigation and Drainage District as well as from Yuma County Water Users' Association and Cocopah Indian Reservation.

9/ Details on Arizona Supplemental Sheets 1 - 5.

February 15, 1967

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSERVATIVE USE OF SUCH WATER
CALENDAR YEAR 1966
STATE OF ARIZONA

V(B)
Supplemental Sheet 1 of 5
Other users pumping from
Colorado River and wells
in flood plain

Water User	January	February	March	April	May	June	July	August	September	October	November	December	<u>Total</u>	
Parrish, Eldon 1 Well-Northwest, Sec.14, T.19 N., R.22 W., GASM														960
Soto 1 Well-Northwest, Sec.23, T.19 N., R.22 W., GASM														30
Joy, Sam 1 Well-Southeast, Sec.26, T.19 N., R.22 W., GASM														960
Joy, Sam 1 Well-Southeast, Sec.26, T.19 N., R.22 W., GASM														720
Osgood, Charles 1 Well-Northwest, Sec.36, T.19 N., R.22 W., GASM														600
Hulet, David 1 Well-Southeast, Sec.13, T.18 N., R.22 W., GASM														600
Soto 1 Well-Northwest, Sec.23, T.18 N., R.22 W., GASM														480
Lake Clarkson Estates 1 Well-Northwest, Sec.23, T.18 N., R.22 W., GASM														210
Hancock, Joe 1 Well-Northwest, Sec.25, T.18 N., R.22 W., GASM														480
McKellip, Gordon 1 Well-Southeast, Sec.27, T.18 N., R.22 W., GASM														1,800
McKellip, Gordon 1 Well-Southeast, Sec.35, T.18 N., R.22 W., GASM														180
McKellip, Gordon 1 Well-Northwest, Sec.35, T.18 N., R.22 W., GASM														90
McKellip, Gordon 1 Well-Southeast, Sec.35, T.18 N., R.22 W., GASM														600
Parrish, Eldon 1 Well-Southeast, Sec.11, T.17 N., R.22 W., GASM														960
Parrish, Eldon 1 Well-Southeast, Sec.13, T.17 N., R.22 W., GASM														1,440

February 15, 1967

**DIVERSIONS FROM MAINSTREAM, AVAILABLE STREAM FLOW,
AND CONSERVATIVE USE OF SUCH WATER**

CALENDAR YEAR 1966

STATE OF ARIZONA

V(B)

Supplemental Sheet 2 of 5
Other users pumping from
Colorado River and wells
in flood plain

Water User	January	February	March	April	May	June	July	August	September	October	November	December	1/Total
													200
Vanderlice, John 1 Well-Mainstream, Sec.13, T.17 N., R.22 W., GASTON													960 <i>1/3/15</i>
Chesney, Robert 1 Well-Mainstream, Sec.13, T.17 N., R.22 W., GASTON													960
Clayton, Ralph 1 Pump-Splitter, Sec.34, T.1 N., R.22 W., GASTON													4,500
1 Pump-Splitter, Sec.34, T.1 N., R.22 W., GASTON													
1 Pump-Splitter, Sec.34, T.1 N., R.22 W., GASTON													
1 Well-Splitter, Sec.34, T.14 N., R.22 W., GASTON													
M. & T. Packing Co. 1 Pump-Splitter, Sec.16, T.3 N., R.22 W., GASTON													2,826
1 Pump-Splitter, Sec.16, T.3 N., R.22 W., GASTON													
Vandorn, George 1 Pump-Splitter, Sec.28, T.3 N., R.22 W., GASTON													840
Spratt, Wayne 1 Well-Subirrigation 1 Pump-Splitter, Sec.28, T.1 N., R.23 W., GASTON													1,920
1 Pump-Splitter, Sec.21, T.1 N., R.23 W., GASTON													
1 Well-Splitter, Sec.28, T.1 N., R.23 W., GASTON													
Cibola Valley Irrigation & Drainage District 1 Pump-Splitter, Sec.20, T.1 N., R.23 W., GASTON													15,000
1 Pump-Splitter, Sec.20, T.1 N., R.23 W., GASTON													
1 Pump-Splitter, Sec.20, T.1 N., R.23 W., GASTON													
Bishop, Louis 1 Pump-Mainstream, Sec.2, T.1 S., R.24 W., GASTON													
Woodward, A. C. 1 Pump-Splitter, Sec.12, T.1 S., R.24 W., GASTON													2,190
Hall & Peters 1 Pump-Mainstream, Sec.12, T.1 S., R.24 W., GASTON													900
Christner, William 1 Well-Mainstream, Sec.36, T.1 S., R.24 W., GASTON													
Arnett, Howard 1 Pump-Mainstream, Sec.1, T.2 S., R.24 W., GASTON													1,800
Arnett, Howard 1 Pump-Mainstream, Sec.31, T.1 S., R.24 W., GASTON													2,400
													1,800

February 15, 1967

DIVERSIONS FROM MAINSTREAM, AVAILABLE STREAM FLOW,
AND CONSERVATIVE USE OF SUCH WATER
CALENDAR YEAR 1966
STATE OF ARIZONA

V(B)
Supplemental Sheet 3 of 5
Other users pumping from
Colorado River and wells
in flood plain

Water Year	January	February	March	April	May	June	July	August	September	October	November	December	1/Total
Subtotal - Records of monthly distribution not available													
Davis Dam to Imperial Dam													
Pratt, Loren C.													
1 Well-MITCHELL, Sec.14, T.8 S., R.22 W., GASTM													
Tudor, Tom													
1 Well-SHAWSETT, Sec.8, T.8 S., R.22 W., GASTM													
Johnson & Drysdale													
1 Well-SEASIDE, Sec.7, T.8 S., R.22 W., GASTM													
Power, Pete													
1 Well-SEASIDE, Sec.18, T.8 S., R.22 W., GASTM													
1 Pump-SEASIDE, Sec.24, T.8 S., R.23 W., GASTM													
Power, Pete													
1 Well-SEASIDE, Sec.18, T.8 S., R.22 W., GASTM													
Sarber, K.													
1 Well-SEASIDE, Sec.19, T.8 S., R.22 W., GASTM													
Günther & Shirley													
1 Well-MITCHELL, Sec.24, T.8 S., R.23 W., GASTM													
1 Well-MITCHELL, Sec.25, T.8 S., R.23 W., GASTM													
1 Well-MITCHELL, Sec.25, T.8 S., R.23 W., GASTM													
1 Well-SHAWSETT, Sec.25, T.8 S., R.23 W., GASTM													
1 Well-SHAWSETT, Sec.26, T.8 S., R.23 W., GASTM													
1 Well-MITCHELL, Sec.25, T.8 S., R.23 W., GASTM													
1 Well-MITCHELL, Sec.35, T.8 S., R.23 W., GASTM													
Opera													
1 Well-MITCHELL, Sec.23, T.8 S., R.23 W., GASTM													
1 Well-SHAWSETT, Sec.26, T.8 S., R.23 W., GASTM													
Dover & Webb													
1 Well-SHAWSETT, Sec.31, T.16 S., R.23 E., SEM													
Cordeiro, Manuel													
1 Well-MITCHELL, Sec.28, T.16 S., R.22 E., SEM													
Curtis, Armon													
1 Pump-SHAWSETT, Sec.29, T.16 S., R.22 E., SEM													
Diversions													

February 15, 1967

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1966
STATE OF ARIZONA

V(B)
Supplemental Sheet 4 of 5
Other users pumping from
Colorado River and wells
in Flood Plain
(hereinafter)

Water User	January	February	March	April	May	June	July	August	September	October	November	December	Total
Power													1,440
1 Pump-Siphoned, Sec.30, T.16 S., R.22 E., GASHM													
1 Pump-Mainstream, Sec.30, T.16 S., R.22 E., GASHM													
Power													660
1 Pump-Mainstream, Sec.35, T.16 S., R.21 E., GASHM													
Carcos, J. O.													
1 Pump-Siphoned, Sec.18, T.9 S., R.24 W., GASHM													
Diversion													
Power													960
1 Pump-Mainstream, Sec.36, T.9 S., R.21 E., GASHM													
McDaniel & Son													
1 Well-Mainstream, Sec.36, T.9 S., R.25 W., GASHM													
Diversion													
Sibley, H. D.													
1 Pump-Siphoned, Sec.2, T.10 S., R.25 W., GASHM													
Diversion													
Sibley, Phil													
1 Well-Mainstream, Sec.1, T.10 S., R.25 W., GASHM													
Diversion													
Jeffries, Floyd													
1 Well-Mainstream, Sec.2, T.10 S., R.25 W., GASHM													
Diversion													
Sibley, H. D. & Phil													
1 Pump-Siphoned, Sec.14, T.10 S., R.25 W., GASHM													
Diversion													
Daniel, A. T.													
1 Pump-Siphoned, Sec.23, T.10 S., R.25 W., GASHM													
Diversion													
Lee, James W.													
1 Well-Mainstream, Sec.26, T.10 S., R.25 W., GASHM													
Diversion													
Hunter, J. C.													
1 Pump-Mainstream, Sec.35, T.10 S., R.25 W., GASHM													
Diversion													
Barkley, L. E.													
1 Well-Mainstream, Sec.35, T.10 S., R.25 W., GASHM													
Diversion													
Brown, Willis A.													
1 Well-Mainstream, Sec.2, T.11 S., R.25 W., GASHM													
Diversion													
Hughes, Earl													
1 Well-Siphoned, Sec.3, T.11 S., R.25 W., GASHM													
Diversion													
Subtotal - Records of monthly distribution	943	2,275	3,085	3,418	3,763	3,458	4,042	3,591	3,513	2,614	1,699	1,505	3/ 33,906
not available													
Imperial Dam to Boundary													

February 15, 1967

**DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSUMPTIVE USE OF STREAM WATER**
CALENDAR YEAR 1966
STATE OF ARIZONA

V(B)
Supplemental Sheet 5 of 5
Other users pumping from
Colorado River and wells
in flood plain

Water Year	January	February	March	April	May	June	July	August	September	October	November	December	Totals	
													Total	Diversion
TOTAL - ARIZONA	1,565	4,929	7,736	8,281	8,752	9,050	10,459	9,636	8,762	5,094	4,188	3,700	82,152	

1/ Computed by assuming an annual diversion of 6 acre-feet per irrigated acre unless otherwise noted.

2/ Distributed according to distribution of monthly diversions to Colorado River Indian Reservation

and Palo Verde Irrigation District.

3/ Distributed according to monthly diversions to Valley Division of Tum Project.

v(b)

**DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSUMPTIVE USE OF STREAM WATER**

CALENDAR YEAR 1966

STATE OF CALIFORNIA

Sheet 1 of 2
Final Records
(Acre-Feet)

Water User	CUMULATIVE DIVERSIONS AND RETURNS												Totals
	January	February	March	April	May	June	July	August	September	October	November	December	
City of Needles 4 wells located in NW 1/4 of Sec. or Sec. 29, T. 30., R23, S24.	66	64	162	292	308	380	421	305	160	109	92	35	2,356
Metropolitan Water District of Southern California (Diversion from Lake Havasu)	37	27	55	92	107	110	107	107	92	52	37	55	1,444
Palo Verde Irrigation District (Diversion at Palo Verde Diversion Dam)	29	-	10	70	201	270	314	198	68	57	-	-	1/
City of El Mirage 10 wells located in Section 32, T.68., R23, S24	50,927	63,034	87,617	108,996	108,464	104,709	107,531	107,334	102,440	105,383	100,325	105,322	1,146,182
East El Mirage County Water District Pumped from wells for domestic use	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuna Project Reservation Division Indian Unit (Diversion at Imperial Dam)	10,920	45,030	77,750	84,610	89,400	101,400	114,500	104,400	90,120	38,250	43,610	37,520	837,850
Coachella Valley County Water District (Diversion at Imperial Dam)	19,180	20,120	32,310	40,060	41,020	47,180	50,000	46,630	38,160	31,610	30,970	33,290	103,550
City of Winterhaven 1 well S24, S25, NW 1/4, Sec. 27, T.68, R23 S24	-6,260	24,920	45,460	46,540	49,360	60,380	67,320	54,400	43,490	390	12,000	12,000	103,560
Diversion Return Consumptive Use	112	95	133	191	365	358	598	505	400	254	124	-	144
Diversion Return Consumptive Use	14	14	18	22	33	37	46	47	43	24	17	17	330
Diversion Return Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	1/
Diversion Return Consumptive Use	973	2,008	4,867	4,060	4,647	5,223	5,571	6,870	3,742	3,182	2,588	3,561	47,292
Diversion Return Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	2/
Diversion Return Consumptive Use	735	2,034	5,079	4,788	6,268	7,041	6,381	4,500	2,314	1,865	1,705	2,274	44,984
Diversion Return Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	2/
Diversion Return Consumptive Use	1,369	1,555	1,894	2,129	2,322	2,401	2,386	2,204	1,815	2,113	1,466	1,673	23,329
Diversion Return Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	-
Imperial Irrigation District (Diversion at Imperial Dam)	103,268	166,626	258,870	311,762	311,025	331,081	325,703	316,681	256,827	230,533	155,750	177,169	2,944,495
Coachella Valley County Water District (Diversion at Imperial Dam)	-	-	-	-	-	-	-	-	-	-	-	-	1/
City of Winterhaven 1 well S24, S25, NW 1/4, Sec. 27, T.68, R23 S24	24,019	26,206	39,058	46,214	56,660	54,210	59,527	58,622	47,143	29,692	25,292	22,796	409,129
Diversion Return Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	1/

February 15, 1967

3/ 19
1/

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSERVATIVE USE OF SURF WATER
CALENDAR YEAR 1966
STATE OF CALIFORNIA

7(B)

Sheet 2 of 2
Final Records
(Acre-Feet)

Water Year	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Other Users Pumping from Colorado River and wells in flood plain Davis Dam to International Boundary	774	2,331	3,586	3,855	-	4,098	4,171	4,827	4,427	-	4,064	2,449	1,719
Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	1/
CALIFORNIA TOTALS	150,868	307,442	477,003	559,660	581,232	606,538	627,054	603,807	506,596	432,092	331,565	350,594	5,755,472
Diversion	20,956	21,712	36,259	36,251	42,469	43,928	49,678	52,311	48,522	40,365	33,128	32,680	457,559
Return	171,222	285,730	432,884	580,369	538,763	565,010	575,376	553,496	458,044	371,127	298,437	317,914	5,096,912
Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	2/

NOTE: The term "Consumptive Use" in this tabulation means measured diversion less measured return to the river.

1/ No surface returns.
2/ Returns unassigned, include unknown quantities of drainage from the Indian Unit and the Barb Unit in the Reservation Division, but exclude seepage from all American Canal.

3/ Monthly distribution not available.
4/ Details on California Supplemental Sheets 1 - 4.

February 15, 1967

**DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSUMPTIVE USE OF SUCH WATER**

CALENDAR YEAR 1966

STATE OF CALIFORNIA

Water User	January	February	March	April	May	June	July	August	September	October	November	December	1/ Total	
														7(B)
Riddle 1 Well-SEAWHARF, Sec.31, T.11 N., R.22 E., SBM														1,020
Riddle 1 Well-SEAWHARF, Sec.31, T.11 N., R.22 E., SBM														1,020
Soto 1 Well-NWSEAWHARF, Sec.36, T.11 N., R.21 E., SBM														12
Soto 1 Well-SEAWHARF, Sec.36, T.11 N., R.21 E., SBM														780
Riddle, W. H. 1 Well-SEAWHARF, Sec.36, T.11 N., R.21 E., SBM														300
Zoff 1 Well-SEAWHARF, Sec. 9, T. 1 S., R.24 E., SBM														102
Ruzicka 1 Well-NWSEAWHARF, Sec.16, T. 1 S., R.24 E., SBM														192
Cossey 1 Well-SEAWHARF, Sec.10, T. 1 S., R.24 E., SBM														660
Cossey 1 Well-SEAWHARF, Sec.10, T. 1 S., R.24 E., SBM														1,590
Curtis, S. P. 1 Pump-SWSEAWHARF, Sec.12, T. 7 N., R.22 W., G&SM														1,482
Swan, James 1 Well-SEAWHARF, Sec.14, T. 3 S., R.23 E., SBM														192
Eberhart, C. F. 1 Pump-SEAWHARF, Sec.14, T. 3 S., R.23 E., SBM														600
Eberhart, C. F. 1 Pump-SEAWHARF, Sec.13, T. 3 S., R.23 E., SBM														600
Cagle & Wilson 1 Pump-SEAWHARF, Sec.13, T. 3 S., R.23 E., SBM														1,200

February 15, 1967

**DIVERSIONS FOR IRRI¹TION, AVAILABILITY PLAN,
AND CONSERVATIVE USE OF STOCK WATER
CALENDAR YEAR 1966**
STATE OF CALIFORNIA

Y(8)
Supplemental Sheet 2 of 4
Other users pumping from
Colorado River and wells
in flood plain
(Acres-Feet)

Water User	January	February	March	April	May	June	July	August	September	October	November	December	Y/Total	
Harvey, K. E. 1 Pump-SEQUESTER, Sec.11, T. 4 S., R.23 E., SEM														600
Clark, Robert 1 Pump-SEQUESTER, Sec.36, T. 4 S., R.23 E., SEM														1,200
Wagon Wheel Cattle Co. 1 Pump-SEQUESTER, Sec. 6, T. 5 S., R.24 E., SEM														3,096
1 Pump-SEQUESTER, Sec. 6, T. 5 S., R.24 E., SEM														
1 Pump-SEQUESTER, Sec. 6, T. 5 S., R.24 E., SEM														
1 Pump-SEQUESTER, Sec. 6, T. 5 S., R.24 E., SEM														
1 Pump-SEQUESTER, Sec. 7, T. 5 S., R.24 E., SEM														
1 Pump-SEQUESTER, Sec. 7, T. 5 S., R.24 E., SEM														
Anderson, Carl 1 Pump-SEQUESTER, Sec.13, T. 9 S., R.21 E., SEM														530
Milpitas Cattle Co. 1 Pump-SEQUESTER, Sec.23, T.10 S., R.21 E., SEM														780
Milpitas Cattle Co. 1 Pump-SEQUESTER, Sec.25, T.10 S., R.21 E., SEM														3,480
1 Pump-SEQUESTER, Sec.25, T.10 S., R.21 E., SEM														
Subtotal - Records of monthly distribution not available Davis Dam to Imperial Dam	251	1,069	1,874	1,999	2,010	2,252	2,585	2,435	2,115	999	1,003	884	3,591,36	
Cole, D. C. 1 Well-WHITFIELD, Sec.35, T.15 S., R.23 E., SEM														498
O'Neal, W. H. 1 Pump-SEQUESTER, Sec.35, T.15 S., R.23 E., SEM														360
Haygood, J. W. 1 Well-SCHAFER, Sec. 2, T.16 S., R.23 E., SEM														570
O'Neal, W. H. 1 Pump-SEQUESTER, Sec. 2, T.16 S., R.23 E., SEM														300
Brammer, J. W. 1 Pump-RICHARDSON, Sec.15, T.16 S., R.23 E., SEM														780
Duke, L. H. 1 Pump-SEQUESTER, Sec.14, T.16 S., R.23 E., SEM														1,260
Mitchell, Hayden 1 Well-SEQUESTER, Sec.22, T.16 S., R.23 E., SEM														816

February 15, 1967

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSERVATIVE USE OF SUCH WATER

CALENDAR YEAR 1966

STATE OF CALIFORNIA

V(B)

Supplemental Sheet 3 of 4
Other users pumping from
Colorado River and wells
in flood plain

Water User	January	February	March	April	May	June	July	August	September	October	November	December	Total
Perez, Filiberto 1 Well-RGSLSR, Sec. 6, T. 8 S., R.22 W., GASRM													1,470
Dial, W. F. 1 Well-SHNGHT, Sec. 6, T. 8 S., R.22 W., GASRM													1,200
Spencer, M. E. 1 Well-RGSLSR, Sec. 9, T.16 S., R.23 E., SHM													1,200
Wright, Noland 1 Well-RGSLSR, Sec. 1, T. 8 S., R.23 W., GASRM													1,380
Wright, Noland 1 Well-RGSLSR, Sec. 1, T. 8 S., R.23 W., GASRM													360
Shaffer, F. 1 Pump-SHNGHT, Sec. 2, T. 8 S., R.23 W., GASRM													
Taylor, J. T. 1 Well-RGSLSR, Sec. 2, T. 8 S., R.23 W., GASRM													210
Wilson, Woody 1 Well-RGSLSR, Sec.12, T. 8 S., R.23 W., GASRM													120
Easterday, Anne 1 Well-SHNGHT, Sec. 1, T. 8 S., R.23 W., GASRM													1,080
Dees, John P. 1 Well-SHNGHT, Sec. 1, T. 8 S., R.23 W., GASRM													960
Harp, Earl 1 Well-SHNGHT, Sec.12, T. 8 S., R.23 W., GASRM													600
Evans, Essie 1 Well-SHNGHT, Sec.12, T. 8 S., R.23 W., GASRM													1,260
Smith, Ferrin 1 Well-SHNGHT, Sec.11, T. 8 S., R.23 W., GASRM													1,560
Burgess, John 1 Well-SHNGHT, Sec.19, T.16 S., R.23 E., SHM													660
Layton 1 Pump-SHNGHT, Sec.29, T.16 S., R.22 E., SHM													240

February 15, 1967

STATE OF CALIFORNIA
CALIFORNIA STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER USE
DIVERSIONS FROM MAINSTREAM, AVAILABLE RIVER FLOW,
AND CONSUMPTIVE USE OF SURFACE WATER
CALENDAR YEAR 1966

Supplemental Sheet 4 of 4
Other users pumping from
Colorado River and wells
in flood plain
(Acre-Feet)

Meter User	Diversion	(acre-feet)											3/Total 720
		January	February	March	April	May	June	July	August	September	October	November	
Bunting, W. W. 1 Pump-Switching, Sec.29, T.16 S., R.22 E., SEM	Diversion												
Subtotal - Records of monthly distribution not available													
Imperial Dam to Boundary													
TOTAL - CALIFORNIA	Diversion	523	1,262	1,712	1,896	2,088	1,919	2,242	1,992	1,949	1,450	942	835 ^{b/} 18,810
		774	2,331	3,586	3,855	4,098	4,171	4,827	4,427	4,064	2,449	2,945	1,719 ^{a/} 38,246

Calculated by assuming an annual diversion of six acre-feet per irrigated acre unless otherwise noted.

2/ Furnished by Palo Verde Irrigation District - July 358 acre-feet and September 172 acre-feet.
Source: Owner's Log Book.

3/ Distributed according to monthly distribution of diversions to Colorado River Indian Reservation and Palo Verde Irrigation District.
4/ Distributed according to monthly diversion to Valley Division of Yuma Project.

February 15, 1967

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1966

STATE OF NEVADA

V(B)

Final Records (Acre-Foot)													Total 1/
Boulder City	Water User	January	February	March	April	May	June	July	August	September	October	November	December
(Diversion at Hoover Dam)	Diversion Return Consumptive Use	-	84	-	-	-	-	-	-	-	-	-	-
(Diversion from Lake Mead) (Diversion from Lake Mohave)	Diversion Return Consumptive Use	19	20	26	36	42	53	61	67	50	35	28	13
Basic Management Inc. (Diversion at Saddle Island, Lake Mead)	Diversion Return Consumptive Use	964	1,203	1,405	1,724	1,637	1,924	1,936	1,695	1,623	1,413	1,333	18,079 3/
Las Vegas Valley Water District (Diversion at Saddle Island, Lake Mead) 1/	Diversion Return Consumptive Use	0	0	0	0	152	1,120	1,440	1,451	1,117	56	0	0
Fiberboard Paper Products Co. (Diversion at Gypsum Wash)	Diversion Return Consumptive Use	14	15	17	23	21	21	39	31	32	22	20	11
Subtotal - Records of monthly distribution available	Diversion Return Consumptive Use	1,339	1,086	1,400	1,664	2,224	3,174	3,834	3,844	3,152	1,904	1,590	1,435
Wilton E. Cavanaugh 1 Pump-N½ Lot 2, Sec. 33, T.32 S., R.66 E. NORBM	Diversion												2/ 7 1/
Warren E. Portenier 1 Pump-N½ Lot 1, Sec. 33, T.32 S., R.66 E. NORBM	Diversion												2/ 12 1/
John C. Wallis 1 Pump-E½ Lot 2, Sec. 33, T.32 S., R.66 E. NORBM	Diversion												2/ 1 1/
NEVADA TOTALS	Diversion Return Consumptive Use												26,656

Note: The term "Consumptive Use" in this tabulation means measured diversion

3/ Portions of return flow in Las Vegas Wash attributable to diversions to Basic Management Inc., and to Las Vegas Valley Water District are not assigned.

1/ No surface returns.

2/ Diversions too small to tabulate monthly - not included in sub-total.

February 15, 1967

RECORDS OF DIVERSIONS OF WATER FROM THE MAINSTREAM OF THE
GILA AND SAN FRANCISCO RIVERS AND THE CONSUMPTIVE USE OF
SUCH WATER, FOR THE BENEFIT OF THE GILA NATIONAL FOREST IN
ACCORDANCE WITH ARTICLE V(E) OF THE DECREE OF THE SUPREME

COURT OF THE UNITED STATES IN ARIZONA v. CALIFORNIA

DATED MARCH 9, 1964

- - -

CALENDAR YEAR 1966

February 15, 1967

DIVERSIONS OF WATER FROM MAINSTREAM OF GILA AND SAN FRANCISCO RIVERS
AND
CONSUMPTIVE USE OF SUCH WATER FOR BENEFIT OF THE GILA NATIONAL FOREST

CALENDAR YEAR 1966

	(Acre-Foot)												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Gila River													
Diversion													
Consumptive Use													
San Francisco River													
Diversion													
Consumptive Use													

Note: The term "Consumptive Use" in this tabulation means measured diversion less measured return to the river.

1/ Records of monthly distribution not available
2/ No surface returns

February 15, 1967

RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME AND QUANTITY OF SUCH
WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY
OR DIVERTED BY OTHERS IN ACCORDANCE WITH ARTICLE V(C) OF THE
DECREE OF THE SUPREME COURT OF THE UNITED STATES IN
ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

- - -
CALENDAR YEAR 1966

February 15, 1967

February 15, 1967

The enclosed tabulations for Calendar Year 1966, show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights.

Water ordered but not diverted was analyzed daily for each diverter as the positive difference between the finally approved daily order and the mean daily delivery requested on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily positive quantities. Final approval of daily orders was given in advance of the delivery date by the amount of travel time involved in conveying the water from the storage point to the diversion point on the main stream.

Deliveries of water to Mexico in satisfaction of the Mexican Treaty were scheduled based on Mexico's daily orders. Releases from storage were scheduled in sufficient quantities which, when added to return flows, would meet Mexico's daily orders. Deliveries of water to Mexico in satisfaction of the Treaty, therefore, were considered to have been made entirely from releases from storage and from return flows scheduled for that purpose and not from water ordered but not diverted by other Colorado River water users. Therefore, the tabulations show no "water ordered but not diverted" as being delivered to Mexico in satisfaction of the Treaty.

The daily quantities of "water ordered but not diverted" were considered for all diverters each day and, to the extent possible, this water was delivered to others in satisfaction of their rights. The quantities of such deliveries are shown on the tabulation.

To date, no orders are received for diversions from the Colorado River in Nevada so no sheet is included for Nevada. Diversions from Lake Mead for use in Nevada are not large enough at the present time to be of significance in scheduling daily operations.

W.C.

**RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTIES ORDERING SAME
AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS**

CALENDAR YEAR 1966

STATE OF CALIFORNIA

Water User		(Acres-Feet)											
		January	February	March	April	May	June	July	August	September	October	November	Total
Metropolitan Water District of Southern California (Diversion from Lake Havasu)	Ordered but not Diverted Delivered to Mexico 1/ Diverted by Others 1/	0	0	0	0	0	291	969	1,166	2,560	2,717	3,975	2,098
Palo Verde Irrigation District (Diversion at Palo Verde Divers.Dam)	Ordered but not Diverted 1,726 Delivered to Mexico 0 Diverted by Others 69	635	2,142	1,012	575	536	1,434	1,422	2,055	2,979	1,192	962	16,920
Yuma Project Reservation Division (Bard Unit at Imperial Dam)	Ordered but not Diverted 257 Delivered to Mexico 0 Diverted by Others 137	249	295	740	1,044	651	810	587	726	358	433	230	6,380
Yuma Project Reservation Division Indian Unit (Diversion at Imperial Dam)	Ordered but not Diverted 340 Delivered to Mexico 0 Diverted by Others 71	245	264	627	771	482	707	895	1,174	608	658	359	7,150
Imperial Irrigation District (Diversion at Imperial Dam)	Ordered but not Diverted 2,208 Delivered to Mexico 0 Diverted by Others 996	1,868	4,523	0	0	0	587	0	0	9,850	0	228	19,364
Cochella Valley County Water District (Diversion at Imperial Dam)	Ordered but not Diverted 0 Delivered to Mexico 0 Diverted by Others 0	0	0	1,111	0	0	0	0	0	0	0	0	2,268
CALIFORNIA TOTALS		2,907	8,455	2,379	2,390	1,960	4,507	4,903	6,515	17,94	7,669	3,571	67,781
		1,272	2,313	797	1,519	544	1,238	867	506	1,265	1,082	843	12,440

1/ All water "Ordered but not Diverted" remained in Lake Havasu storage.

February 15, 1967

W.C.

RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTIES ORDERING SAME
AND

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS

CALENDAR YEAR 1966

STATE OF ARIZONA

Water User	(Inches)											Total
	January	February	March	April	May	June	July	August	September	October	November	
Colorado River Indian Reservation (Diversion at Headgate Rock Dam)	357	633	587	341	956	601	190	66	533	1,414	464	194
Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	14	236	154	220	426	264	81	0	236	444	121	95
Yuma Proving Ground, U.S. Army (Diversion at Imperial Dam)	-	-	-	-	-	-	-	-	-	-	-	-
North Gila Valley Irrigation and Drainage District (Diversion at Imperial Dam)	347	214	96	313	664	732	607	1,599	924	1,256	635	962
Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	56	6	14	224	256	138	189	139	502	105	215	2,298
Warren Act Contractors outside Gila Project Districts (Division at Imperial Dam)	14	36	6	50	161	0	0	0	0	0	0	321
Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	6	0	0	14	16	0	0	0	0	0	0	0
Wellton-Mohawk Irrigation and Drainage District (Division at Imperial Dam)	1,759	1,894	1,265	1,894	1,926	1,593	773	1,436	1,174	2,551	1,670	1,404
Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	406	232	226	403	536	405	637	270	159	516	303	549
Yuma Irrigation District (Division at Imperial Dam)	369	206	1,015	56	404	652	906	486	744	133	692	704
Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	40	26	244	4	154	293	718	137	189	20	166	196
Yuma Mesa Irrigation and Drainage District (Division at Imperial Dam)	1,966	657	617	827	654	1,371	623	565	2,922	2,019	1,263	1,716
Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	325	115	108	85	174	466	419	51	98	700	327	722
Unit "B" Irrigation and Drainage District (Division at Imperial Dam)	236	230	236	145	236	165	137	160	393	587	377	139
Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	20	6	6	0	175	137	75	24	196	226	97	32
City of Yuma (Division at Imperial Dam)	72	0	0	0	0	0	0	0	0	0	0	0
Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	5	0	24	0	0	0	0	0	0	0	0	0
Ordered but not Diverted Delivered to Mexico	1,704	1,521	961	908	2,763	492	1,070	3,561	726	3,277	2,296	185
Diverted by Others	122	902	74	500	1,027	135	301	1,434	661	1,225	30	6,966
Ordered but not Diverted Delivered to Mexico	61	24	0	16	37	7	11	25	13	0	0	210
Diverted by Others	0	0	0	0	0	0	0	0	0	0	0	0
Ordered but not Diverted Delivered to Mexico	6,855	5,652	5,598	4,540	7,603	5,636	4,317	7,866	11,367	7,501	5,575	80,564
Diverted by Others	996	1,543	1,679	1,246	2,750	1,356	2,072	2,105	3,102	2,032	2,156	1,869
ARIZONA TOTALS												24,136
1/ No orders received.												February 15, 1967

RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944,
AND WATER PASSING TO MEXICO IN EXCESS OF TREATY
REQUIREMENTS IN ACCORDANCE WITH ARTICLE V(D) OF THE
DECREE OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

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CALENDAR YEAR 1966

February 15, 1967

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
AND
WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS

CALENDAR YEAR 1966

V(D)

	Final Records (Acre-feet)												
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Deliveries to Mexico in Satisfaction of Treaty	60,803	105,392	181,607	170,354	92,421	137,821	223,504	245,652	100,528	55,370	53,584	72,564	1,500,000
Passing to Mexico in Excess of Treaty Requirements	28,517	11,678	4,220	533	2,727	99	555	136	36,380	33,829	17,914	19,529	1/156,147

1/ Includes 30,428 acre-feet in September and 8,107 acre-feet in December loaned to Mexico
in excess of Treaty requirements in accord with Executive Agreement.

February 15, 1967